Production and distribution of non-conventional energy

2449. SHRI GIREESH KUMAR SANGHI: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the details of production and distribution of various non-conventional energy resources of the country; and

(b) the steps taken by Government to help produce such non-conventional energy resources?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI VILAS MUTTEMWAR): (a) The details of estimated potential and achievements under various non-conventional energy programmes, as on 31-3-2005, are given in the Statement (*See* below).

(b) To encourage investment in non-conventional energy, financial and fiscal incentives are being provided which include accelerated depreciation, relief from taxes & duties. In addition, preferential tariff is given to grid interactive renewable power in most potential States. A higher level of Central financial assistance is being provided to special category States and Islands for setting up non-conventional energy projects.

Statement

Details of estimated potential and achievements under various non-conventional energy programmes, as on 31-3-2005 in the country

Sl.No.	Source / System	Estimated Potential	Achievements as on 31.03.2005
A	**Power From Renewables**		
1.	Solar Photovoltaic Power	20 MW per sq.km.	2.64 MW
2.	Wind Power	45,000 MW	3595.00 MW
3.	Small Hydro Power (up to 25 MW)	15,000 MW	1705.63 MW
4.	Biomass / Cogeneration Power	19,500 MW	
	Biomas Power		302.53 MW
	Biomass co-generation		447.00 MW
5.	Biomass Gasifier (kW)		86.23 MW
6.	Energy Recovery from waste (MW)	2,700 MW	41.98 MW
	Power from Renewables (Total)	**81,200 MW**	**6161.01**

1	2	3	4
B.	**Remote Village Electrification (No. of villages/hamlets)**		1944 / 594
C.	**Decentralised Energy Systems**		
7.	Family Type Biogas Plants	120 lakh	37.10 lakh
8.	Community/Institutional/Night-soil-based biogas plants	-	3950 nos.
9.	Improved Chulha	12 crores	3.52 crore
10.	Solar Photovoltaic Programme	20 MW / Sq.km.	
	i Solar Street Lighting System	-	54795 nos.
	ii Home Lighting System	-	342607 nos.
	iii Solar Lantern	-	560295 nos.
	iv Solar Power Plants	-	930.70 kWp
11.	Solar Thermal Programme		
	i Solar Water Heating Systems collector area	140 million sq.m. collector area	01 million sq.m.
	ii Solar Cookers	-	5.75 lakhs
	iii Aditya Solar Shops	-	81
12.	Wind Pumps	-	1015
13.	Aero-generator /Hybrid Systems	-	385.70 kW
14.	Solar Photovoltaic Pumps	-	6818
C.	**Other Programmes**		
15.	Battery Operated Vehicles	-	287
16.	Energy Parks	-	357

MW = Megawatt, kW = Kilowatt, kWp = Kilowatt peak, Sq.m. = Square metre

FDI in NES

2450. SHRI K. RAMA MOHANA RAO:
SHRIMATI N.P. DURGA:

Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether it is fact that the Ministry has proposed 100 per cent FDI through automatic route in the Non-Conventional Energy sector;

(b) the total FDI so far received in the Non-Conventional Energy sector since this sector was opened; year-wise and sector-wise *i.e.* wind, bio-mass, solar etc.